

PRELIMINARY GEOLOGIC MAP OF SEQUOIA AND KINGS CANYON NATIONAL PARKS

AREA OF MAP

2 0 2 4 6 B 10 KILOMETERS

SEOUOIA AND KINGS CANYON NATIONAL PARKS GEOLOGIC MAP LEGEND

CORRELATION OF MAP UNITS SEDIMENTARY DEPOSITS

VOLCANIC ROCKS

GRANITOID AND METAVOLCANIC ROCKS

METASEDIMENTARY ROCKS

(15-25 % dark

minerals)

Medium-colored,

(6-15 percent

dark minerals)

: Kmg

DESCRIPTION OF MAP UNITS SEDIMENTARY DEPOSITS

VOLCANIC ROCKS

GRANITOID AND METAVOLCANIC ROCKS
(Granitic rock names from classification of Streckheisen, 1973)

METASEDIMENTARY ROCKS

EXPLANATION OF SYMBOLS

faults; teeth are on upper plate of thrust fault.

Fault, showing displacement, dashed where covered. Ball on downthrown side of normal faults; arrows indicate sense of horizontal displacement on strike-slip

: DARK-COLORED GRANITIC ROCK (CRETACEOUS) -- Primarily granodiorite and tonalite.

Specific gravity is generally 2.65-2.71, and SiO2 66-71 percent.

(less than 6 %

dark minerals)

: Klg

: TERTIARY : (Pliocene)

: CRETACEOUS

: CRETACEOUS, : JURASSIC, OR : TRIASSIC

: JURASSIC OR

: PALEOZOIC